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Abstract of the Disclosure

AN APPARATUS FOR PROVIDING DIRECT DATA PROCESSING  
ACCESS USING A QUEUED DIRECT INPUT-OUTPUT DEVICE

5 An apparatus for providing direct data processing access in  
a network computing system environment. The system environment  
has a main storage which can be connected to one or more  
application servers and is in processing communication with an  
interface element. The interface element has at least one  
adapter and can be connected to one or more application user(s).  
10 One or more queues are established in the main storage that can  
handle data without causing interrupts in the running programs.  
Incoming data is received using the adapter and as data is  
received or modified, the status of the network computing system  
will be updated to reflect the new data or change. Data is then  
15 processed in the main storage after interrogating the multiple  
existing queues in the main storage simultaneously and forwarding  
them in turn to their appropriate destination or application  
server after a determination has been made by interrogating these  
queues.